

Declaration By Inventor Under 37 C.F.R. § 1.132

Application No. 09/619,584

Attorney's Docket No. 016800-390

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APPENDIX I

**(Curriculum Vitae, Research Experience and List of Publications)**

Jean-Michel BERNARDON  
126, Boulevard Gambetta  
06000 NICE  
Telephone: 04.93.87.42.26

CHEMICAL RESEARCH ENGINEER  
31 years of experience in the pharmaceutical industry

### FIELDS OF EXPERTISE

- Frame/organize a squad (officer of a research group)
- Work out/organize a budget
- Manage a research program
- Conception and synthesis of new chemical entities
- Optimize the synthesis processes
- Study the connections of molecular structure / biological activities
- Draft patents

### PROFESSIONAL EXPERIENCE

1983 - 2002	GALDERMA R&D (Research center) Dermatological Laboratory	Sophia-Antipolis
1996-2002	Chief of Scientific Service	
1987-1996	Research worker	
1983-1987	Research assistant	
1970 - 1982	SYNTHELABO (Research center) Pharmaceutical Laboratory	Bagneux
1977-1983	Research assistant	
1970-1977	Chemical technician	

### EDUCATION

1970:	Diploma of chief chemical technician
1968:	Bachelor's degree - D series
Language:	English - professional practical
Computer Skills:	Word, Powerpoint, Isis base, Isis draw

Born January 7, 1950

**B Permit, personal vehicle license**

Enjoys running (practices running)

**Jean-Michel BERNARDON**

126, Boulevard Gambetta

06000 NICE

Tél: 04.93.87.42.26

**INGENIEUR de RECHERCHE CHIMISTE**  
**31 ans d'expérience dans l'industrie pharmaceutique**

### **DOMAINES DE COMPETENCES**

- Encadrer une équipe
- Elaborer un budget
- Gérer un programme de recherche
- Concevoir et synthétiser de nouvelles entités chimiques
- Optimiser les voies de synthèses
- Etudier les relations Structure moléculaire / Activités biologiques
- Rédiger les brevets

### **EXPERIENCE PROFESSIONNELLE**

1983 - 2002	GALDERMA R&D (Centre de recherches) Laboratoire Dermatologique	Sophia-Antipolis.
1996 - 2002	Chef de Service Scientifique	
1987 - 1996	Chercheur	
1983 - 1987	Assistant de Recherche	
1970 - 1983	SYNTHELABO (Centre de recherches) Laboratoire Pharmaceutique	Bagneux.
1977 - 1983	Assistant de Recherche	
1970 - 1977	Technicien Chimiste	

### **FORMATION**

1970 : Brevet de technicien supérieur chimie  
1968 : Baccalauréat série D  
Langue: Anglais pratique professionnelle  
Informatique: Word, Power-point, Isis base, Isis draw

### **RENSEIGNEMENTS COMPLEMENTAIRES:**

Né le 7 janvier 1950.

Marié, 2 enfants.

Permis B, véhicule personnel.

Centres d'intérêts: Soutien scolaire Physique - Chimie  
Pratique de la randonnée.

## BREVETS

**E.P. 0 092 458 (7/04/83)**

IMIDAZOL[1,2-a]PYRIDINES, PREPARATION ET APPLICATION EN THERAPEUTIQUE.

J.P. Kaplan, P. George, J.M. Bernardon.

**E.P. 0 199 636 (11/04/86)**

DERIVES BENZONAHPTALENIQUES, PROCEDE DE PREPARATION ET APPLICATION DANS LES DOMAINES PHARMACEUTIQUE ET COSMETIQUE

B. Shroot, J. Eustache, J.M. Bernardon.

**FR 2 570 377 (17/09/85)**

DERIVES HETEROCYCLIQUES AROMATIQUES ET LEUR APPLICATION DANS LES DOMAINES THERAPEUTIQUE ET COSMETIQUE

B. Shroot, J. Eustache, J.M. Bernardon.

**E.P. 0 292 348 (29/04/88)**

DERIVES HETEROCYCLIQUES POLYCYCLIQUES, PROCEDE DE PREPARATION ET UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE

B. Shroot, J. Eustache, J.M. Bernardon, P. Nédoncelle.

**E.P. 0 210 929 (25/07/86)**

DERIVES AROMATIQUES POLYCYCLIQUES, PREPARATION ET APPLICATION DANS LES DOMAINES PHARMACEUTIQUE ET COSMETIQUE

B. Shroot, J. Eustache, O. Watts, J.M. Bernardon, P. Nédoncelle.

**E.P. 0 232 199 (20/01/87)**

COMPOSES BENZAMIDO AROMATIQUES, PREPARATION ET UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE ET EN COSMETIQUE

B. Shroot, J. Eustache, J.M. Bernardon.

**E.P. 0 325 540 (19/01/89)**

ESTERS ET THIO-ESTERS AROMATIQUES, PREPARATION ET UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE ET EN COSMETIQUE

B. Shroot, J. Eustache, J.M. Bernardon.

**E.P. 0 409 728 (18/07/90)**

ESTERS BI-AROMATIQUES, PROCEDE DE PREPARATION ET UTILISATION EN MEDECINE HUMAINE OU VETERINAIRE ET EN COSMETIQUE

B. Shroot, J.M. Bernardon.

**E.P. 0 409 729 (18/07/90)**

THIOESTERS BI-AROMATIQUES, PROCEDE DE PREPARATION ET UTILISATION EN MEDECINE HUMAINE OU VETERINAIRE ET EN COSMETIQUE

B. Shroot, J.M. Bernardon, W.R. Pilgrim.

**WO 92/06948 (30/04/92)**

COMPOSES BI-AROMATIQUES ET LEUR UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE ET EN COSMETIQUE

J.M. Bernardon, W. Pilgrim.

**E.P. 0 514 264 (13/05/92)**

COMPOSES BI-AROMATIQUES DERIVES D'UN MOTIF SALICYLIQUE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE AINSI QU'EN COSMETIQUE

J.M. Bernardon.

**E.P. 0 514 269 (14/05/92)**

NOUVEAUX COMPOSES AROMATIQUES DERIVES D'IMINE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION EN MEDECINE HUMAINE ET VETERINAIRE AINSI QU'EN COSMETIQUE

J.P. Rocher, J.M. Bernardon.

**E.P. 0 661 258 (10/11/94)**

NOUVEAUX COMPOSES PROPYNYL BI-AROMATIQUES, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon.

**E.P. 0 658 553 (10/11/94)**

NOUVEAUX COMPOSES AROMATIQUES POLYCYCLIQUES, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

B. Charpentier, J.M. Bernardon.

**E.P. 0 679 628 (29/03/95)**

COMPOSES POLYENIQUES, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon, P. Nédoncelle.

**E.P. 0 679 631 (3/04/95)**

COMPOSES BI-AROMATIQUES ACETYLENES A GROUPEMENT ADAMANTYLE, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon, B. Charpentier.

**E.P. 0 679 630 (29/03/95)**

COMPOSES BICYCLIQUES AROMATIQUES, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon.

**E.P. 0 722 928 (19/12/95)**

COMPOSES BICYCLIQUES AROMATIQUES A FORTE ACTIVITE BIOLOGIQUE, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon.

**E.P. 0 728 739 (6/02/96)**

COMPOSES BI-AROMATIQUES DERIVES D'AMIDE, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS

J.M. Bernardon.

**E.P. 0 740 937 (19/04/96)**

UTILISATION DE RETINOIDES POUR LA FABRICATION D'UNE COMPOSITION COSMETIQUE OU PHARMACEUTIQUE

J.M. Bernardon.

**E.P. 0 776 885 (13/11/96)**

COMPOSES BI-AROMATIQUES PORTANT UN GROUPEMENT ADAMANTYL EN ORTHO,  
COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS  
J.M. Bernardon.

**E.P. 0 776 881 (13/11/96)**

COMPOSES BI-AROMATIQUES PORTANT UN GROUPEMENT ADAMANTYL EN PARA,  
COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT ET UTILISATIONS  
J.M. Bernardon.

**WO 97/33856 (18/09/97)**

COMPOSES PROPYNYL ET DIENYL BIAROMATIQUES  
J. M. Bernardon.

**WO 97/33881 (18/09/97)**

COMPOSES BICYCLIQUES AROMATIQUES  
J.M. Bernardon.

**E.P. 0 850 909 (15/12/97)**

COMPOSES STILBENIQUES A GROUPEMENT ADAMANTYL, COMPOSITIONS LES CONTENANT  
ET UTILISATIONS  
J.M. Bernardon.

**WO 98/22423 (28/05/98)**

COMPOSES BI-AROMATIQUES, COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES  
CONTENANT ET UTILISATIONS  
J.M. Bernardon, P. Diaz.

**WO 98/56783 (demande déposée en France le 13/06/97)**

PROPYNY-ALLENY BI-AROMATIQUES  
J.M. Bernardon, S. Trouille.

**WO 98/34909 (13/08/98)**

COMPOSES BI-AROMATIQUES, COMPOSITIONS LES CONTENANT ET UTILISATIONS  
J.M. Bernardon.

**E.P. 0 879 814 (13/05/98)**

COMPOSES TRIAROMATIQUES, COMPOSITIONS LES CONTENANT ET UTILISATIONS  
J.M. Bernardon, P. Nédoncelle.

**WO 99/10308 (4/03/99)**

DERIVES BIPHENYLIQUES SUBSTITUES PAR UN RADICAL AROMATIQUE OU  
HETEROAROMATIQUE ET COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES  
J.M. Bernardon, P. Nédoncelle.

**WO 99/10322 (4/03/99)**

COMPOSES BI-AROMATIQUES RELIES PAR UN RADICAL HETEROETHYNYLENE ET  
COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT  
J.M. Bernardon, P. Diaz.

**E.P. 0 947 496 (31/03/98)**

COMPOSES BICYCLIQUES-AROMATIQUES ET LEUR UTILISATION EN MEDECINE HUMAINE.  
J.M. Bernardon.

**FR 2 776 659 (31/03/1998)**

NOUVEAUX COMPOSES HETEROETHYNYLENES ET COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT

P. Diaz, J.M. Bernardon.

**WO 99/65872 (12/06/1998)**

NOUVEAUX COMPOSES DIARYLSELENURES ET LEUR UTILISATION EN MEDECINE HUMAINE OU VETERINAIRE AINSI QU'EN COSMETOLOGIE.

J.M. Bernardon, P. Diaz.

**WO 00/26167 (2/11/1998)**

ANALOGUES DE LA VITAMINE D

J.M. Bernardon

**WO 01/45664 (22/12/1999)**

UTILISATION DE COMPOSES POLYCYCLIQUES AROMATIQUES EN TANT QU'ACTIVATEURS DES RECEPTEURS DE TYPE PPARs DANS UNE COMPOSITION COSMETIQUE OU PHARMACEUTIQUE.

J.M. Bernardon, S. Michel.

**WO 01/38320 (24/11/1999)**

ANALOGUES DE LA VITAMINE D

J.M. Bernardon

**WO 01/38303 (24/11/1999)**

ANALOGUES DE LA VITAMINE D

J.M. Bernardon, T. Biadatti

**WO 02/12210 (8/08/2000)**

NOUVEAUX COMPOSES BI-AROMATIQUES ACTIVATEURS DES RECEPTEURS DE TYPE PPAR GAMMA ET LEUR UTILISATION DANS DES COMPOSITIONS COSMETIQUES OU PHARMACEUTIQUES.

J.M. Bernardon, L. Clary.

**WO 02/094754 (22/05/2001)**

ANALOGUES DE LA VITAMINE D

J.M. Bernardon.

**Fr 2 833 258 (10/12/2001)**

ANALOGUES DE LA VITAMINE D

J.M. Bernardon, T. BIADATTI.

**Fr 2 833 949 (21/12/2001)**

NOUVEAUX COMPOSES ACTIVATEURS DES RECEPTEURS DE TYPE PPAR GAMMA ET LEUR UTILISATION DANS DES COMPOSITIONS COSMETIQUES OU PHARMACEUTIQUES.

J.M. Bernardon, L. Clary.



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## APPENDIX II

### **(Technical References)**

# Publications

**Eustache J, Bernardon JM, Shroot B**

Aromatic Retinoids (Part 1): A Short Synthesis of 7-Hydroxy-6-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2-naphthoic acid, (7-hydroxy-TTNN).

*Tetrahedron Letters* (1987), 28, 4681-4

**Eustache J, Bernardon JM, Shroot B**

Aromatic Retinoids (Part 2): A Short and Convenient Route to 5-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-anthracenyl)-2-furan and -2-thiophene

*Tetrahedron Letters* (1988), 29, 4409-10

**Bailly J, Delescluse C, Bernardon JM, Charpentier B, Martin B, Pilgrim W, Shroot B, Darmon M**

Further studies on the induction of plasminogen activator by retinoids in F9 embryonal carcinoma cells, the potency of the various compounds, but not their efficacy, correlates with their affinity for the nuclear retinoic acid receptors.

*Journal Investigative Dermatology* (1990), 95, 461

**Eustache J, Bernardon JM, Nedoncelle P, Shroot B, Chatelus A**

New Heterocyclic Modulators of Cellular Differentiation.

*Abstracts papers American Chemical Society* (1990), 199, P.MEDI 90

**Bailly J, Delescluse C, Bernardon JM, Charpentier B, Martin B, Pilgrim WR, Shroot B, Darmon M**

Differentiation of F9 Embryonal Carcinoma Cells by Synthetic Retinoids: Amplitude of Plasminogen Activator Production Does Not Depend on Retinoid Potency or Affinity for F9 Nuclear Retinoic Acid Receptors.

*Skin Pharmacology* (1990), 3, 256-67

**Eustache J, Bernardon JM, Shroot B, Chatelus A**

Binding to Cytosolic Retinoic Acid Binding Protein is not a Requirement for Biological Activity of Retinoids.

*Abstracts papers American Chemical Society* (1990), 199, P.MEDI 91

**Hensby C, Cavey D, Bernardon JM, Shroot B**

A comparison of in vivo and in vitro anti-inflammatory activities of retinoic acid and 4-alkoxyphenyl naphthoic acids.

*Journal Investigative Dermatology* (1990), 95, 472

**Reichert U, Bernardon JM, Cavey MT, Delescluse C, Michel S, Shroot B**

Synthetic Retinoids - Receptor Selectivity and Biological Activity.

*Journal Investigative Dermatology* (1991), 96, 550

**Michel S, Courseaux A, Miquel C, Bernardon JM, Schmidt R, Shroot B Thacher SM, Reichert U**

Determination of Retinoid Activity by an Enzyme-Linked Immunosorbent Assay.  
*Analytical Biochemistry* (1991), 192, 232-6

**Shroot B, Bernardon JM, Charpentier B, Martin B, Cavey MT**

New retinoids exhibiting selectivity for the nuclear retinoic acid receptor RARbeta.  
*Journal Investigative Dermatology* (1991), 96, 577

**Martin B, Bernardon JM, Cavey MT, Bernard B, Carlavan I, Charpentier B, Pilgrim WR, Shroot B, Reichert U**

Selective Synthetic Ligands for Human Nuclear Retinoic Acid Receptors.  
*Skin Pharmacology* (1992), 5, 57-65

**Martin B, Bernardon JM, Cavey MT, Bernard B, Carlavan I, Charpentier B, Pilgrim WR, Shroot B, Reichert U**

Selective Synthetic Ligands for Human Nuclear Retinoic Acid Receptors.  
*Journal Investigative Dermatology* (1992), 98, 820

**Bernard B, Bernardon JM, Delescluse C, Martin B, Lenoir , Maignan J, Charpentier B, Pilgrim WR, Reichert U, Shroot B**

Identification of Synthetic Retinoids with Selectivity for Human Nuclear Retinoic Acid Receptor Gamma  
*Biochemical Biophysical Research Communications* (1992), 186(2), 977-83

**Reichert U, Bernardon JM, Charpentier B, Nedoncelle P, Martin B, Bernard B, Asselineau D, Michel S, Lenoir MC, Delescluse C, Pilgrim WR, Darmon YM, Shroot B.**

Synthtetic Retinoids: Receptor Selectivity and Biological Activity  
*Pharmacology Skin* (1993)

**Reichert U, Bernardon JM, Charpentier B, Martin B, Bernard B, Asselineau D, Michel S, Regnier M, Pilgrim WR, Darmon YM, Shroot B.**

Synthtetic Retinoids: Receptor Selectivity and Biological Activity.  
*Journal Investigative Dermatology* (1993)

**Charpentier B, Bernardon JM, Gatje C, Martin B, Bernard B, Darmon YM, Pilgrim WR, Shroot B.**

New Retinoids with Selectivity for Beta and/or Gamma Nuclear Retinoic Acid Receptors.  
*Journal Investigative Dermatology* (1993)

**Shroot B, Bernardon JM, Charpentier B, Reichert U.**

Synthetics Retinoids. Selectivity for Receptors and Biologic Activity  
*J. Pharm. Belg* (1994), 49(3), 221-5

**Shadendorf D, Worm M, Jurgovsky K, Dippel E, Michel S, Charpentier B, Bernardon JM, Reichert U, Czarnetzki BM.**

Retinoic Acid Receptor-Gamma-Selective Retinoids Exert Antiproliferative Effects on Human Melanoma Cell Growth in Vitro.

*International Journal Oncology* (1994)

**Charpentier B, Bernardon JM, Eustache J, Millois C, Martin B, Michel S, Shroot B.**

Synthesis, Structure-Affinity Relationships and Biological Activities of Ligand Binding to Retinoic Acid Receptor Subtypes

*J. Med. Chem.* (1995), 38(26), 4993-5006

**Charpentier B, Bernardon JM, Diaz P, Vion M, Millois C, Bernard B, Shroot B.**

Enantiomers of a New Retinoid to Investigate the Role of Chirality in the Biological Response

*Bioorg. Med. Chem. Lett.* (1995), 5 (23), 2801-4

**Lenoir MC, Bernardon JM, Demarchez M, Shroot B, Michel S.**

The Effect of Adapalene on Cell Proliferation and Differentiation is Mediated by its Interaction with the Retinoic Acid Receptor (RARs).

*British Journal Dermatology* (1996)

**Szondy Z, Reichert U, Bernardon JM, Michel S, Toth R, Ancian P, Ajzner E, Fesus L.**

Induction of Apoptosis by Retinoids and Retinoic Acid Receptor Gamma-selective Compounds in Mouse Thymocytes through a Novel apoptosis Pathway.

*Mol. Pharmacol.* (1997), 51 (6), 972-82.

**Szondy Z, Reichert U, Bernardon JM, Michel S, Toth R, Karaszi E, Fesus L.**

Inhibition of Activation-Induced Apoptosis of Thymocytes by all-trans and 9-cis Retinoic Acid is mediated via Retinoic Acid Receptor Alpha.

*Biochem. J.* (1998), 1(331), 767-74.

**Benkoussa M, Nomine B, Mouchon A, Lefevre B, Bernardon JM, Formstecher P, Lefevre P.**

Limited Proteolysis for Assaying Ligand Binding Affinities of Nuclear Receptors.

*Recept. Signal Transduct.* (1997), 7 (4), 257-67.

**Diaz P, Gendre F, Bernardon JM.**

New Selenium-Containing Acetylenic Retinoids by Direct Coupling of Alkynylsilanes with Selenylhalides

*Tetrahedron Letters.* (1998), 39 (49), 9003-6

**Toth R, Szegezdi E, Reichert U, Bernardon JM, Michel S, Ancian P, Kis-Toth K, Mascari Z, Fesus L, Szondy Z.**

Activation-Induced Apoptosis and Cell Surface Expression of Fas(CD95) Ligand are Reciprocally Regulated by Retinoic Acid Receptor Alpha et Gamma and Involve Nurr77 in T Cells.

*European Journal Immunology.* (2001)

## ASSIGNMENT (SOLE)

THIS ASSIGNMENT, by JEAN-MICHEL BERNARDON, residing at 231, CHEMIN PLAN BERGIER, 06650 LE ROURET, FRANCE (hereinafter referred to as "the Assignor"), witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements in BICYCLIC AROMATIC COMPOUNDS set forth in an application, [ ] which is a provisional application to be filed herewith; [ ] which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; [X] bearing Application No. 08/ 952,804, and filed on November 14, 1997; and

WHEREAS, CENTRE INTERNATIONAL DE RECHERCHES DERMATOLOGIQUES GALDERMA (C.I.R.D. GALDERMA), a corporation duly organized under and pursuant to the laws of FRANCE, and having its principal place of business at SOPHIA ANTIPOLES, 635 ROUTE DES LUCIOLES, 06560 VALBONNE, FRANCE (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming

priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of Burns, Doane, Swecker & Mathis, LLP of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 12/17/97 Name of Assignor Bernardon Jean Michel  
Jean-Michel BERNARDON